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Attorney's Docket No.: 10559-202002  
P8465D - ADI APD1632-2-US  
Intel Corporation

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bradley C. Aldrich, et al. Art Unit: 2183  
Serial No.: 10/828,913 Examiner:  
Filed : April 20, 2004  
Assignee : Intel Corporation  
Title : DSP EXECUTION UNIT FOR EFFICIENT ALTERNATE MODES OF OPERATION

**Mail Stop Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information Disclosure Statement and documents listed on form PTO-1449.

This filing is being made before the receipt of a first Office action on the merits. No fee is required.

Each enclosed document listed on the herewith Form PTO-1449 was cited in the parent application, U.S. application serial no. 09/541,116, filed March 31, 2000. Copies of the prior art are not included. Also, enclosed are copies of the International

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 4, 2004

Date of Deposit

Signature

Jennifer H. Payne

Typed or Printed Name of Person Signing Certificate

Applicant : Bradley C. Aldrich, et al.  
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Search Report (6 pages), Written Opinion (8 pages), and International Preliminary Examination Report (11 pages) issued in the related International Patent Application.

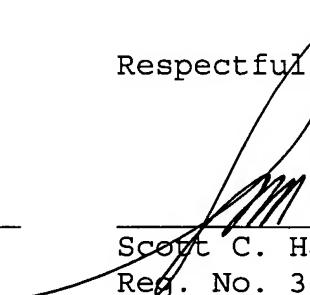
The documents are in the English language; hence no concise explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Please apply any additional charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 10/1/04

  
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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10559-202002	Application No. 10/828,913
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Bradley C. Aldrich, et al.		
		Filing Date April 20, 2004	Group Art Unit 2183	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,748,585	05/1988	Chiarulli, et al.			
	AB	5,432,728	07/1995	Curtet			
	AC	5,517,436	05/1996	Andreas, et al.			
	AD	5,666,169	09/1997	Ohki, et al.			
	AE	5,717,923	02/1998	Dedrick			
	AF	5,933,797	08/1999	Håakansson, et al.			
	AG	6,092,094	07/2000	Ireton			
	AH	6,370,630	04/2002	Mizuyabu, et al.			
	AI	6,418,527	07/2002	Rozenshein, et al.			
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	0 654 733	05/1995	Europe				
	AM	WO 98/32071	07/1998	WIPO				
	AN	WO 99/31601	06/1999	WIPO				
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	Bermak, et al., "High-density 16/8/4-bit configurable multiplier", <i>IEE Proc.-Circuits Devices Syst.</i> , 144(5):272-276, (1997).
	AR	Kim, et al., "4-way Superscalar DSP Processor for Audio Codec Applications", Proceedings of the 1998 IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP, '98, Seattle, WA, USA, May 12-15, 1998, IEEE International Conference on Acoustics, Speech and Signal Processing, New York, NY, Vol. 5, Conf. 23, May 12, 1998, pp. 3117-3120.
	AS	Singh, et al., "GaAs Low-Power Integrated Circuits for a High-Speed Digital Signal Processor", <i>IEEE Transactions on Electron Devices</i> , 36(2):240-249, (1989).

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.